

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Minna Hovinen et al.

Appln. No.: 09/884,262

Filed: June 19, 2001

For: METHOD FOR DETERMINING ION
CONCENTRATION AND ENERGY OF
SHALLOW JUNCTION IMPLANTS

Group Art: 2877

Examiner:

POWER OF ATTORNEY BY
ASSIGNEE

Commissioner for Patents
Washington, D.C. 20231

Sir:

THERMA-WAVE, INC., assignee of the entire right title and interest in the above-identified application by assignment dated July 10, 2001 and July 11, 2001, which assignment was recorded in the Patent and Trademark Office on August 27, 2001, at Reel 12111, frame 185, hereby appoints the members of the firm of STALLMAN & POLLOCK LLP, a firm composed of:

Michael A. Stallman	29,444
Michael J. Pollock	29,098
Kathleen A. Frost	37,326
Brian J. Keating	39,520

as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

Please direct all correspondence regarding this application to the following:

STALLMAN & POLLOCK LLP
Attn: Michael A. Stallman
121 Spear Street, Suite 290
San Francisco, CA 94105

Telephone: (415) 512-1312
Facsimile: (415) 512-1362

THERMA-WAVE, INC.

Dated: 11/7/01

By: Martin Schwartz
Name: Martin Schwartz
Title: Chief Executive Officer



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 30, 2001

STALLMAN & POLLOCK LLP
MICHAEL A. STALLMAN
121 SPEAR STREET
SUITE 290
SAN FRANCISCO, CA 94105

PTAS

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STALLMAN & POLLOCK LLP



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/27/2001

REEL/FRAME: 012111/0185
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HOVINEN, MINNA

DOC DATE: 07/10/2001

ASSIGNOR:
OPSAL, JON

DOC DATE: 07/11/2001

ASSIGNEE:
THERMA-WAVE, INC.
1250 RELIANCE WAY
FREMONT, CALIFORNIA 94539

SERIAL NUMBER: 09884262
PATENT NUMBER:

FILING DATE: 06/19/2001
ISSUE DATE:

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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MND
8.27.01

08-30-2001



101829544

Docket No.: TWI-12710

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks

attached original documents or copy thereof.

1. Name of conveying party(ies):

Minna Hovinen
Jon Opsal

2. Name and address of receiving party(ies):

Name: THERMA-WAVE, INC.

Internal Address:

Street Address: 1250 Reliance Way

City: Fremont State: CA ZIP: 94539

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 7/10/2001 & 7/11/2001

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/884,262

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael A. Stallman

Internal Address: STALLMAN & POLLOCK LLP

Street Address: 121 Spear Street, Suite 290

City: San Francisco State: CA ZIP: 94105

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1703

08/30/2001 AAHMED1 00000007 09884262

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael A. Stallman (Reg. No. 29,444)

Name of Person Signing

Signature

August 22, 2001

Date

Total number of pages including cover sheet, attachments, and document: 3

ASSIGNMENT

WHEREAS, WE, Minna Hovinen and Jon Opsal, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: METHOD FOR DETERMINING ION CONCENTRATION AND ENERGY OF SHALLOW JUNCTION IMPLANTS

Application (Declaration/Oath) Execution Date: July 10, 2001 & July 11, 2001

Filing Date: June 19, 2001

Application No.: 09/884,262

WHEREAS, THERMA-WAVE, INC., a corporation of the State of Delaware, 1250 Reliance Way, Fremont, California 94539, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 7/10/01

Minna Hovinen

Minna Hovinen

State of IN

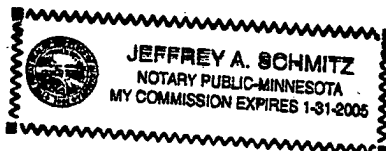
County of Hennepin

On 7/10/01

before me, Jeffrey A. Schmitz

personally appeared Minna Helena Hovinen personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



SEAL

Jeffrey A. Schmitz
Signature of Notary

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 7-11-01

Jon Opsal

State of California

County of Alameda

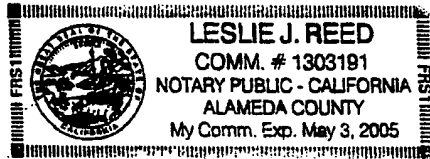
On July 11, 2001 before me, LESLIE J. REED
personally appeared JON OPSAL personally known to me or proved to me on the

basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Leslie J. Reed
Signature of Notary

SEAL



DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD FOR DETERMINING ION CONCENTRATION AND ENERGY OF SHALLOW JUNCTION IMPLANTS

the specification of which (check one) ☐ is attached hereto or ☒ was filed on June 19, 2001 as Application No. 09/884,262 and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed
Yes No

Number Country Day/Month/Year Filed

☐ ☐

Number Country Day/Month/Year Filed

☐ ☐

I hereby claim the benefit under 35 U.S.C. § 119(3) of any United States provisional application(s) below:

60/218,594

July 17, 2000

Application Number

Filing Date

Application Number

Filing Date

Application Number

Filing Date

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Filing Date	Status: Patented, Pending, Abandoned
Application Number	Filing Date	Status: Patented, Pending, Abandoned
Application Number	Filing Date	Status: Patented, Pending, Abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and th like so made are punishable by fine or imprisonment or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Minna Hovinen

Inventor's signature

Minna Hovinen

7/10/01

Date

Residence 8822 Fountain Lane North, Maple Grove, MN 55311

Citizenship Finland

Post Office Address 8822 Fountain Lane North, Maple Grove, MN 55311

Full name of second joint inventor, if any, Jon Opsal

Inventor's signature

Jon Opsal

7-11-01

Date

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Post Office Address 2295 Norwood Road, Livermore, California 94550